Brandon Chow

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Education

University of California, Berkeley
- B.A. Computer Science (GPA: 3.42) | Expected May 2019
- Coursework: Web Design, Computer Security, Introduction to Database Systems, Introduction to Artificial Intelligence, Operating Systems and System Programming, Machine Structures, Data Structures, Foundations of Data Science, Efficient Algorithms and Intractable Problems

Skills

Programming Experience: Java, Python, C, HTML, Javascript
Software: Adobe Photoshop, Adobe Illustrator, Microsoft Office Suite, Sony Vegas
Languages: Conversant in Cantonese, Proficient in French, Basic Mandarin

Projects

Shibas of Instagram | Nov 2017
- Won first place in web design class competition and is now used as an example to introduce JQuery to students
- Built and designed a showcase for Instagram accounts using HTML, CSS, and JQuery
- Focused on animation and use of JQuery for navigation on a single page
- https://brandonlchow.github.io/

Pacman AI | Feb 2017 – May 2017
- Created a series of agents that can navigate and solve different mazes and versions of the popular game "Pacman" using various algorithms and learning methods
- Employed various search algorithms such as BFS and A* for navigation while taking adversarial agents into account
- Implemented reinforcement learning with value iteration and Q-learning techniques

BearMaps | Apr 2016
- Built an interactive map of the city of Berkeley with zoom and routing functions
- Applied Dijkstra's and A* search algorithms to find shortest routes on a a quadtree structure
- Program collects and rasterizes images at each level of zoom using a comparator to sort the images by longitude and latitude at the correct distance-per-pixel ratio

Activities

Secretary
Chinese Student Association, UC Berkeley | May 2017 – Present
- Recording all weekly cabinet meetings and delivering typewritten reports
- Overseeing and providing assistance to the media department which consists of webmasters, historians, and video editors

Webmaster
Chinese Student Association, UC Berkeley | Feb 2016 – April 2017
- Administered the organization's webpage, designing and creating assets while ensuring that web content and information was up to date

Work Experience

Library Student Assistant
North Regional Library Facility | May 2017 – August 2017
- Retrieved, organized, and returned library material, meeting daily deadlines and checking the work of others
- Processed and categorized new material, identifying problematic material and referring it to appropriate departments